



**MWRA Advisory Board Summary  
of the  
MWRA Board of Director's Meeting  
Wednesday, July 18, 2007**

A meeting of the Board of Directors of the Massachusetts Water Resources Authority was held on July 18, 2007 at the Charlestown Navy Yard. **Present:** Chair Ian Bowles, Lucile Hicks and Rudolph Banks, Gubernatorial Appointees; Andrew Pappastergion, Advisory Board Representative; Vincent Mannering, Kevin Cotter and James Hunt III, City of Boston Representatives; Joseph MacRitchie, City of Quincy Representative; Marie Turner, Town of Winthrop Representative. **Absent:** John Carroll and Joseph Foti, Advisory Board Representatives.

**REPORT OF THE CHAIR**

Ian Bowles, Chairman of the MWRA Board of Directors, thanked the Board for the deliberation process on the FY08 budget. He noted he was pleased with the collaboration of the Board and the outcome.

**REPORT OF THE EXECUTIVE DIRECTOR**

Fred Laskey, Executive Director of the MWRA, expressed thanks to Governor Patrick and the Legislature for their support of Debt Service Assistance in the final FY08 budget.

Mr. Laskey recognized Greg DeFronzo, Director of MIS, who is leaving to work at Boston University. He noted that Mr. DeFronzo was responsible for much of the innovation that occurred under his watch and that the Authority is in a much better place since he has been here. Mr. Laskey presented a framed photo of Deer Island to Mr. DeFronzo.

Mr. DeFronzo thanked the Board for its support of the MIS Department and for approving funding for the department over the years. He commented that when he came to the MWRA in 1989, the most common electronic equipment at the Authority was the typewriter. He praised his staff, noting that they are the legacy he is leaving behind. Mr. Laskey noted that Joe Barrett, will serve in an acting capacity until the position is filled.

Mr. Laskey noted that the Authority was accepting bids for placing solar panels on Deer Island. The Authority received good news from the Federal Aviation Administration about the feasibility of wind turbines on Nut Island.

Mr. Laskey updated the Board that representatives from the Town of Weston are scheduled to tour the Norumbega Covered Storage Facility with legislators and that the Water Resources Commission approved the Town of Reading's application. He also noted that the tunnel boring machine is on its way from Japan; the machine will be used to build the tunnel in the North Dorchester Bay Project.

# A & F COMMITTEE

## INFORMATION

### **DELEGATED AUTHORITY REPORT**

Staff provided the Board with a list of delegated authority actions over \$25,000 for the period June 1 through June 30, 2007.

## WASTEWATER POLICY & OVERSIGHT COMMITTEE

### APPROVALS

#### **MEMORANDUM OF UNDERSTANDING AND FINANCIAL ASSISTANCE AGREEMENT BETWEEN MWRA AND BWSC FOR THE IMPLEMENTATION OF CSO CONTROL PROJECTS, AMENDMENT 8; PROGRESS OF BWSC-IMPLEMENTED CSO PROJECTS AND PROJECTED FINANCIAL ASSISTANCE THROUGH DECEMBER 2007**

The Board voted to authorize the Executive Director, on behalf of the Authority, to execute Amendment 8 to the *Memorandum of Understanding (MOU) and Financial Assistance Agreement (FAA) between MWRA and BWSC for the Implementation of the CSO Control Projects*, increasing the financial award amount by \$17,039,000, from \$251,738,000 to \$268,777,000, with no change to the term of agreements.

The CSO Control Plan comprises 35 projects at a total approved budget of \$811 million in MWRA's Approved FY08 CIP, including \$279,521,000 for nine projects Boston Water and Sewer Commission (BWSC) is implementing in accordance with the MOU. The agreements with BWSC were last amended in October 2006. At this time, staff recommend that the agreements be further amended to increase the total award to cover increases in eligible costs for the South Dorchester Bay, Stony Brook and Fort Point Channel sewer separation projects and the Morrissey Boulevard Storm Drain project, based on updated cost estimates and in accordance with the Approved CIP.

BWSC has made important progress in eliminating CSO discharges to the Boston Harbor. Major milestones include the completed South Dorchester Bay project, the substantial completion of the Stony Brook project and the Fort Point Channel projects. Construction of the Morrissey Boulevard Storm Drain project is underway.

Amendment 8 will revise the project funding limits for eligible work, based on the latest approved cost estimates.

The approved FY08 CIP budget includes \$279,521,000 for design and construction of the BWSC-implemented CSO projects included in the MOU and FAA. The budget is based on updated BWSC project cost estimates reviewed and approved by MWRA.

#### **MEMORANDUM OF AGREEMENT WITH BWSC RELATED TO UNION PARK, AMENDMENT 2**

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Amendment 2 to the Memorandum of Agreement between the Boston Water and Sewer Commission and the Massachusetts Water Resources Authority governing the design, construction, operation, maintenance and costs of the Union Park Detention/Treatment Facility and associated equipment.

The Union Park Detention/Treatment Facility was constructed to treat CSO flows that are discharged from the Boston Water and Sewer Commission's Union Park Pump Station to the Fort

Point Channel. Construction of this facility is part of the Court-approved CSO control plan. In December 2006, MWRA brought the new treatment facility into partial use; substantial completion was reached on April 26, 2007 and the operation and maintenance of the entire facility is being performed under a multi-year contract with Woodward & Curran, Inc., jointly funded by MWRA and BWSC.

On January 16, 2002, MWRA and BWSC executed a Memorandum of Agreement (MOA), which included terms pertaining to ownership responsibilities for the equipment and structural elements associated with the existing Union Park Pump Station and the proposed Detention/Treatment Facility constructed on an adjacent BWSC parcel of land. On December 17, 2003 the Board approved Amendment 1 to the MOA, which updated ownership and financial responsibilities to accurately reflect the final equipment list; established the percentage of cost for the facilities for each respective party; and revised the terms related to agency oversight of construction and protocols associated with processing change orders. Amendment 2 updates and formalizes the arrangements between MWRA and BWSC.

Board Member Vincent Mannering asked if it was overly complicated for the Authority to issue separate checks for utility bills. Mr. Hornbrook responded that it was not too complicated to handle it with separate checks.

## CONTRACT AWARDS

### **TECHNICAL ASSISTANCE CONSULTING SERVICES: DEWBERRY-GOODKIND, INC., CONTRACT 7101 AND GREEN INTERNATIONAL AFFILIATES, INC., CONTRACT 7102**

The Board voted to approve the recommendation of the Consultant Selection Committee to select both Dewberry-Goodkind, Inc. and Green International Affiliates, Inc. to provide technical assistance consulting services and to authorize the Executive Director, on behalf of the Authority to execute Contract 7101 with Dewberry-Goodkind, Inc. in an amount not to exceed \$644,197.91 and Contract 7102 with Green International Affiliates, Inc. in an amount not to exceed \$649,654.82, each for contract terms of two years from the Notice to Proceed.

The purpose of these technical assistance contracts is to make available the services of qualified, professional engineering firms to assist MWRA staff on engineering and/or design initiatives with a typical upset limit of \$75,000. These contracts will ensure that adequate resources are available to quickly and comprehensively respond to MWRA's needs, particularly when emergency or unanticipated situations arise. Historically, MWRA has awarded two Technical Assistance contracts for all water and wastewater facilities except for Deer Island and the Carroll Water Treatment Plant. With two concurrent contracts, MWRA staff will have access to a broader range of resources and be better positioned to determine reasonableness of task order pricing.

Staff utilized a one-step/two-envelope Request for Qualifications/Proposal. The Selection Committee determined that all six applicants met the threshold and technical requirements of the contract. Based on the proposals submitted, the Selection Committee recommends that the Board approve the award of two separate contracts, Contract 7101 to Dewberry-Goodkind, Inc. and Contract 7102 to Green International Affiliates, Inc.

The FY08 CIP includes a budget of \$1,000,000 for each contract.

### **TECHNICAL ASSISTANCE CONSULTING SERVICES – DEER ISLAND TREATMENT PLANT, METCALF & EDDY – CONTRACT 7090, AND FAY, SPOFFORD & THORNDIKE, INC. – CONTRACT 7091**

The Board voted to approve the recommendation of the Consultant Selection Committee to select both Metcalf & Eddy and Fay, Spofford & Thorndike, Inc. to provide as-needed technical assistance consulting services for the Deer Island Treatment Plant and to authorize the Executive Director, on behalf of the Authority, to execute Contract 7090 with Metcalf & Eddy in an amount

not to exceed \$1,097,325 and Contract 7091 with Fay, Spofford & Thorndike, Inc. in an amount not to exceed \$999,291.08, each for a contract term of two years from the Notice to Proceed.

Eight years ago, MWRA awarded the first as-need technical assistance contract to supplement in-house staff on high priority projects at the Deer Island Treatment Plant and to provide expertise on short-term assignments requiring specialized engineering disciplines.

As staff identify projects that require technical assistance, task orders are developed. Each task order describes the services to be performed and consultants submit proposals for the project.

Staff utilized a one-step/two-envelope Request for Qualifications/Proposal. Two qualification statements were submitted on June 22, 2007. The Selection Committee evaluated the proposals and determined that both firms met the threshold and technical requirements of the contract.

Based on the proposals submitted, the Selection Committee recommended that the Board approve the award of two separate contracts, Contract 7090 to Metcalf & Eddy and Contract 7091 to Fay, Spofford & Thorndike, Inc. The FY08 CIP contains a budget of \$1,000,000 for each contract.

#### CONTRACT AMENDMENTS / CHANGE ORDERS

##### **UPPER NEPONSET VALLEY REPLACEMENT SEWER, SEWER SECTIONS 685 AND 686: P. GIOIOSO & SONS, INC., CONTRACT 6191, CHANGE ORDER 11**

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Change Order No. 11 to increase the amount of Contract No. 6191 with P. Gioioso & Sons, Inc., Upper Neponset Valley Replacement Sewer, Sewer Sections 685 and 686, in an amount not to exceed \$382,000. Further, the Board voted to authorize the Executive Director to approve additional change orders as may be needed to Contract No.6191 in amounts not to exceed the aggregate of \$250,000 and 180 days.

The Upper Neponset Valley Sewer was constructed between 1896 and 1902, and extends approximately four miles through West Roxbury and Newton. The system receives wastewater from the communities of West Roxbury, Newton, Brookline and a small portion of Dedham. During wet weather, the capacities of these lines are often exceeded.

Contract 6191 will replace existing MWRA sewers, thereby increasing the capacity of the sewer to the level of service provided to all MWRA sewer member communities. During the installation of the sewer pipe south of an MBTA rail road bridge, the Contractor encountered excessive groundwater and very fine silt materials, which shifted during dewatering and resulted in unexpected settlement of the roadway and the curb in this area. This change order will perform tunnel jacking and jet grouting at this MBTA railroad bridge. The change order is identified as an unforeseen condition.

The original contract amount was \$35,779,000. Including Change Order 11 for \$382,000, the cumulative value of all change orders to this contract will total \$2,036,801.59. The adjusted amount of the contract is \$37,815,801.59 or \$1,886,801.59 over budget. This amount will be covered within the five-year CIP spending cap.

# WATER POLICY & OVERSIGHT COMMITTEE

## APPROVALS

### **COST SHARING AGREEMENT WITH THE TOWN OF SAUGUS FOR WATER PIPELINE DESIGN IN ROUTE 1, SAUGUS**

The Board voted to authorize the Executive Director, on behalf of the Authority, to execute a Cost Sharing Agreement with the Town of Saugus for Water Pipeline Design on Route 1 in Saugus. The Town of Saugus has experienced numerous breaks in its unlined water main along Route 1. The Town has decided to construct a new 12-inch water main along the same alignment as MWRA's proposed water main along Route 1. Staff from MWRA and the Town have met to discuss the terms of a joint project because it would be advantageous to combine the projects in order to reduce design and construction costs, as well as traffic concerns on Route 1. Both parties have agreed to share the design and construction costs proportionate to the estimated construction cost for each party's proposed infrastructure. Preliminary estimates indicate that the cost to construct the proposed MWRA water main is approximately two times the cost to construct the proposed Saugus water main; therefore, the cost sharing ratio will be at a ratio of 2 to 1.

The total contract amount from a qualified consulting firms providing final design, resident inspection and engineering services during construction is \$996,140. MWRA's portion of the design and engineering services contract is \$664,093; Saugus' portion is \$332,047. Staff will work together to execute the cost sharing agreement, as well as a review of all elements of the project. Staff will present a separate cost-sharing agreement for construction to the Board for approval at a later date.

Jae Kim, Director of Water Engineering, commented that the conceptual design of two pipelines together has tremendous cost savings. Mr. Laskey noted that both pipes will be in one trench. Ms. Hicks asked how long it will take to complete the project. Mr. Kim responded that it would take two or three years to complete the project, using the breakdown lane

## CONTRACT AWARDS

### **LYNNFIELD/SAUGUS PIPELINES DESIGN – CA/RI: FAY, SPOFFORD & THORNDIKE, LLC, CONTRACT 6905**

The Board voted to approve the recommendation of the Consultant Selection Committee to select Fay, Spofford & Thorndike, LLC to provide final design, resident inspection and engineering services during construction for the Lynnfield/Saugus water pipeline project, and to authorize the Executive Director, on behalf of the Authority, to execute a contract with Fay, Spofford & Thorndike, LLC in an amount not to exceed \$966,140 for a contract term of 2,010 calendar days from the Notice to Proceed, contingent upon the Town of Saugus' receipt of a 10-year, no interest loan through MWRA's Local Pipeline Assistance Program.

Contract 6905 will provide final design, resident inspection and engineering services during construction for approximately 2,840 feet of 36 inch water main, 4,450 feet of 24-inch water main, 6,000 feet of 12-inch water main and blow off piping, including main line valves, air valves and two new revenue meters. The contract will also include pavement restoration, some sidewalk reconstruction, and traffic and environmental controls during construction.

The Selection Committee, which included a representative from the Town of Saugus, determined that four firms were qualified, and Fay, Spofford & Thorndike (FS&T) submitted the lowest lump sum contract cost. Staff met with FS&T to review the project scope and associated pricing and believe that FS&T has the necessary experience and personnel to design this project and is qualified to do so.

**WALNUT STREET AND FISHER HILL PIPELINE REHABILITATION, PHASE 1: J. D'AMICO, INC., CONTRACT 6586**

The Board voted to approve the award of Contract No. 6586, Walnut Street and Fisher Hill Pipeline Rehabilitation, Phase 1, to the lowest eligible and responsible bidder, J. D'Amico, Inc., and to authorize the Executive Director, on behalf of the Authority, to execute and deliver said contract in the bid amount of \$2,227,758 for a contract term of 579 calendar days from the Notice to Proceed.

Contract 6586 includes the cleaning and cement mortar lining of approximately 5,900 feet of 48-inch cast iron water pipeline on Warren Street, Walnut Street and Washington Street in the Town of Brookline. The work includes the replacement of Meter 5 with all required appurtenances, a new pressure reducing valve (PRV) with appurtenances, and various valves. This work is part of MWRA's on-going Distribution Pipeline Improvement Program to improve water quality and hydraulic performance by reducing the number of unlined, cast-iron water mains in the system. As part of this program, MWRA replaces an average of six to seven miles of pipeline each year.

Contract 6586 was advertised and bid; six bids were received with J. D'Amico's bid 19% below the second lowest bidder. Staff have determined the bid price is reasonable and complete and the company possesses the skill and integrity to perform the work. J. D'Amico has a record of excellent performance on MWRA projects.

The FY08 CIP includes a budget of \$2,840,000 for Contract 6586; the contract award amount is \$2,227,758.

**PERSONNEL COMMITTEE**

**APPROVALS**

**APPOINTMENT OF SENIOR MEDIUM-VOLTAGE ELECTRICAL SPECIALIST, DEER ISLAND**

The Board voted to approve the Executive Director's recommendation to appoint Mr. Albert Hoey to the position of Senior Medium-Voltage Electrical Specialist, Deer Island Treatment Plant (Grade 20, Unit 3), at an annual salary of \$65,948, effective July 21, 2007.

The position of Senior Medium-Voltage Specialist was approved by the Board to address the need for qualified and trained individuals to install, operate, maintain and repair medium-voltage electrical systems on Deer Island. The Senior Medium-Voltage Electrical Specialist will oversee and perform low and medium-voltage electric maintenance and operations tasks. This position will also supervise and perform medium-voltage switching and shall be part of a rotating 24-hour standby team to respond to electrical emergencies on Deer Island.

Two candidates were interviewed and Albert Hoey was selected as the best and most qualified candidate for this position. Mr. Hoey has 21 years of experience working in the electrical trade in an industrial environment. Mr. Hoey has worked at MWRA since 2004 and has demonstrated an extensive knowledge of Deer Island facilities and is highly regarded by the managers and electrical staff. He has completed a Master Electricians program at Northeast Regional and holds a Master's Electrical License.

**APPOINTMENT OF SENIOR COMPENSATION AND BENEFITS ANALYST, HUMAN RESOURCES**

The Board voted to approve the Executive Director's recommendation to appoint Ms. Janice Lucey to the position of Senior Compensation and Benefits Analyst in the Human Resources Department (Confidential-6, Grade 10) at an annual salary of \$69,918 to be effective on the date designated by the Executive Director.

This position reports to the Manager of Compensation and provides analytical support to the Human Resources Department. The position is responsible for the administration of the Authority's salary program for union and non-union employees ensuring conformance with union contracts and MWRA policy. The position is also responsible for administrative management and coordination of a variety of processes.

Ms. Lucey joined the MWRA in 1990. Throughout her seventeen years of experience, Ms. Lucey has assumed increasingly more responsible assignments and as a result of her work experiences has gained an in-depth understanding of the MWRA Human Resources Department. Additionally, her data management and organizational abilities will be well utilized in this role.

### **JULY PCR AMENDMENTS – FY2008**

The Board voted to approve amendments to the Position Control Register. The PCR amendments included in this package reflect organizational changes aimed at improving the cost-effectiveness, structural soundness and staffing patterns of the various work units. They include:

1. Location change for a position at Deer Island Treatment Plant to Field Operations to meet the operational needs of the SCADA maintenance group.
2. Reclassification of five positions due to a union settlement.
3. Elimination of a vacant position due to a union settlement.

The annualized budget impact of these PCR amendments will be -\$23,014.

### **NON-UNION COMPENSATION – FY2008**

The Board voted to take the following actions in MWRA's FY08 Non-Union Compensation Program: (1) authorize the Executive Director to implement a 3% across-the-board compensation adjustment effective July 1, 2007 for non-union managers; and (2) approve a revision to the Non-Union salary ranges for FY08.

The recommendation for a 3% across-the-board compensation adjustment for non-union employees in FY08 is consistent with recent trends for compensation adjustments at the Authority. During FY08, staff will continue to review the non-union compensation program, taking into consideration collective bargaining agreements. Additionally, staff will evaluate and compare benefits available to union employees with those offered to non-union employees.